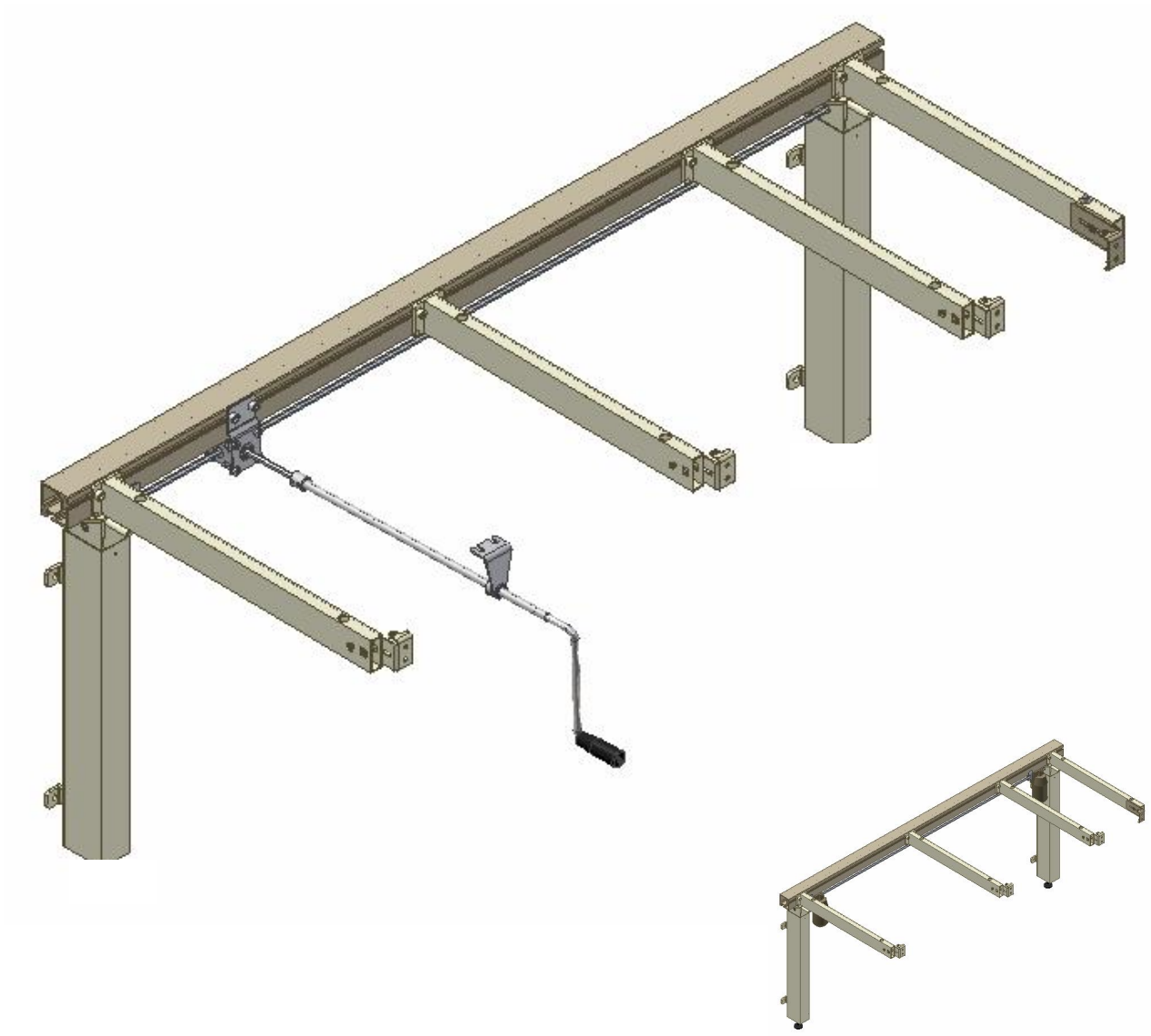
CE

FLEXIMANUAL

User Manual



Mounting Instructions

30-65XXX-8

01-03-2009

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1. Introduction

You have chosen Flexi, the multi-flexible, height-adjustable, easy-to-mount frame. The frame may be used separately or in combination with Diagonal or Verti, the adjustable system for wall cupboards.

The frame has no inconvenient fascia and, consequently, the adjustment of the working height from 65 to 95 cm + worktop thickness may be fully utilised.
Under the worktop there is sufficient room for knees and legs for wheelchair users, who obtain freedom of movement and a perfect working posture.

If you want the colour of the frame to match your kitchen, you may order suitable covers for the vertical legs.

Flexi is available as a manually or electrically operated frame. The electrical version may be retrofitted in a few minutes.

If you choose the electrical version you obtain a quick and easy adjustment of the frame by activating the control buttons.

This document must ALWAYS be kept with the product and have been read and understood by the user.

The correct use, operation and inspection are decisive factors for efficient and safe performance.

If this product is electrically adjustable in height, there might be a risk of trapping. The product must therefore always be operated by or under the guidance of an experienced adult, who has read and understood the importance of section 10 ”Safety in use”.

2. Compliance with EU-Directives

This product has CE-marking according to the current Machinery, EMC and Low Voltage Directives and thus complies with the basic safety requirements (only for the electrical frame). See separate CE-declaration. See page 27.

If these table frames are assembled or otherwise connected with other electrical components, this will be considered a new unit. Consequently, the assembled unit must be subjected to a risk assessment, after which the CE mark may be awarded.

3. Application

The Flexi frame is adjustable in height in order to obtain optimum working height for user and helper. Do NOT use Flexi as a lifting table or person lifter.

The product should be used indoor, at temperatures and humidity as described in section 4

The control unit complies with IP32/II and must always be installed in accordance with the national Heavy Current Regulations or corresponding national or international standards.

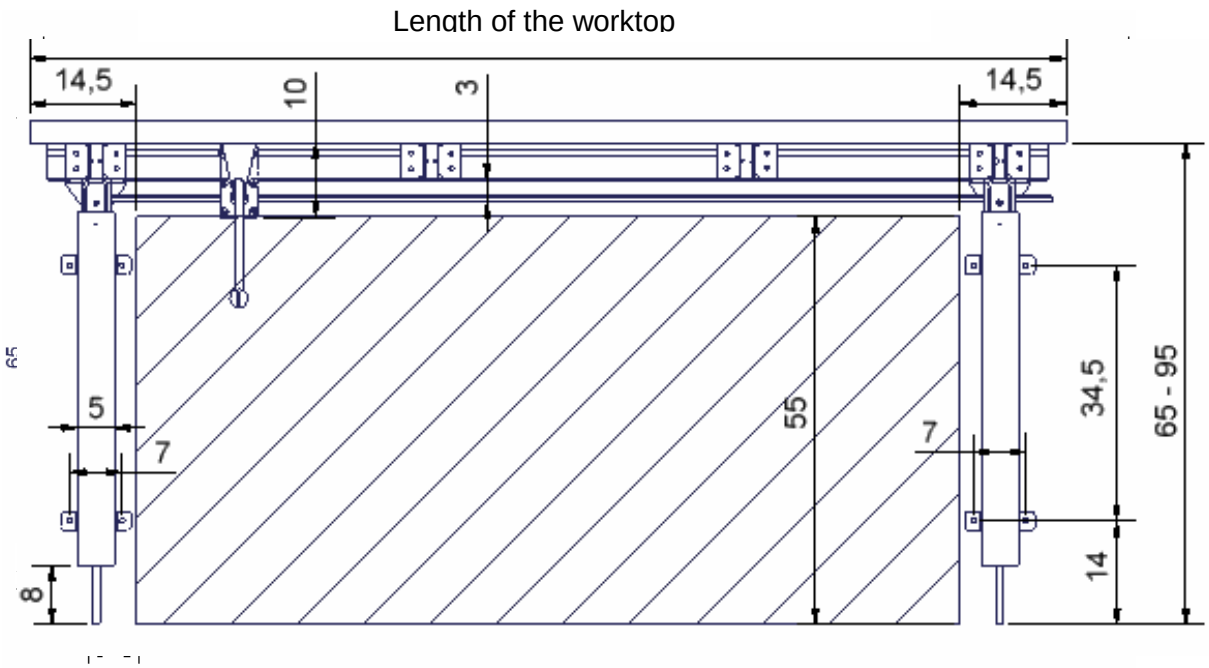
4. Technical data KitFrame Flexi

Product name:	**KitFrame Flexi** Length of worktop = 60-204 cm (supported by two legs) Length of worktop = 205-300 cm (supported by three legs)
Item numbers:	Manual 30-65XXX: XXX = Length of worktop The frame is always 5 cm shorter than the worktop
Height adjustment:	65–95 cm manual without worktop
Material:	Welded steel tubes St. 37 Aluminium alloy 606045-T6 Stainless steel spindle and various plastic components
Surface treatment:	Chromite, Powder coating, Standard RAL 9010, mat white
Max. load of frame:	150 kg evenly distributed over the entire worktop

Conversion To electrical frame:

Power supply:	230VAC / 2.5A / 50 Hz - Alternatively 100VAC / 50/60 Hz
Standby primary:	1W
Control voltage:	24VDC
Duty circle:	Max. 10 % conform to 1 min. active / 9 min. pause
Speed:	Approx. 12 $^{mm}/_{sec}$
Lifting time stroke 30 cm:	Approx. 30 sec.
Temperature:	5-45°C
Air humidity:	5-85% (non-condensing)
Guarantee:	See guarantee, page 28.
Manufacturer:	Ropox A/S, DK-4700 Naestved, Tel.: +45 55 75 05 00

5. Supply points, water supply and waste



Length of Aluminium bar = Length of worktop minus 5 cm
Length of Hex 6 shaft = Length of worktop minus 15 cm

It is advisable to place water supply and waste within the hatched area. Also it is important to use flexible hoses for water supply and waste to ensure that the Flexi will move freely without obstacles within the height adjustment range 65-95 cm. excl. worktop.

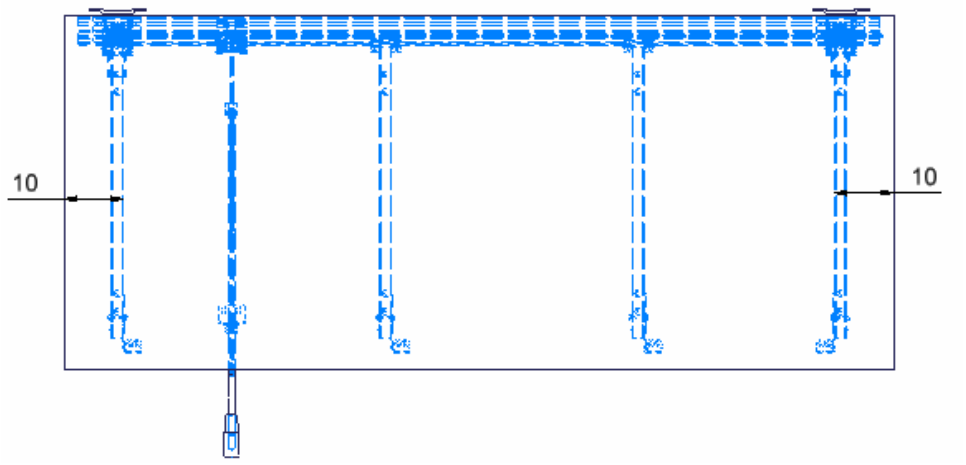
It is advisable to place the water supply and waste close to the sink. The drain may also be installed in the floor.

Arrange for the fixed feed pipes on the wall to be pointing down, at a height of max. 30 cm. This will ensure that the flexible feed pipes will always flex in a neat curve close to the wall without kinking. A 90 degree valve with a 1/2" exposed thread is recommended.

The control unit complies with IP32/II and must always be installed in accordance with the national Heavy Current Regulations or corresponding international or national standards.

The cables to the control unit must be able to move freely during height adjustment of the Flexi.

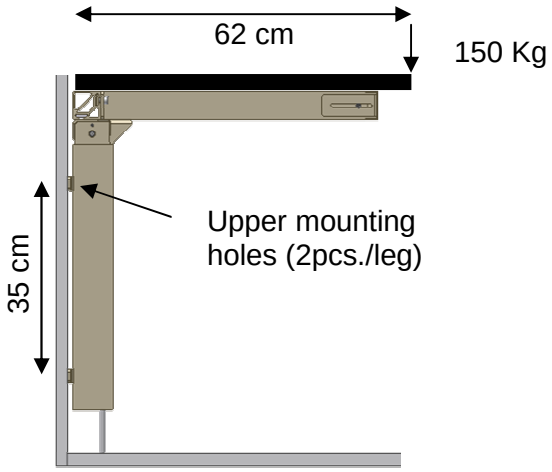
For worktops with cut-outs the distance from either side of the worktop should be considered as shown on the illustration.



Always keep 0,5 cm space all away around the worktop

5.1 Tips og tricks

5.1.1 Tension in upper bolts of Flexi frames



Calculation has been done for ONE leg, which will be worst case. Worktop 62 cm deep.

Max. Permissible load at the Flexi frame is 150 Kg, evenly distributed. In this example we have put the max. Load in the front of the worktop.

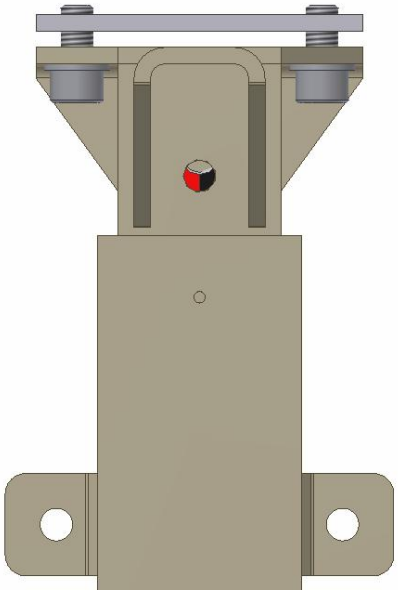
Tension upper bolts: $\frac{150 \times 62}{35 \times 2}$ = 133 Kg/bolt

Safety factor must be used:

Safety factor 1	⇨	133 Kg/bolt
Safety factor 2	⇨	266 Kg/bolt
Safety factor 3	⇨	399 Kg/bolt

Under normal circumstances the load will be distributed to the two legs (4 bolts)

5.1.2 Determine the difference between a MANUEL and Electric Flexi Leg.



Flexi leg seen from the front:

By looking thru the small hole, you will face following colour combinations:

Black shall always be seen to the right hand side!

Red / black
Elektric Flexi Leg with fast spindles

Green / black
Manuel Flexi Leg with slow spindles

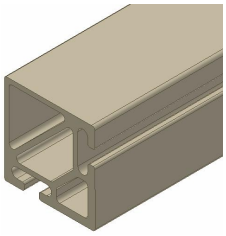
Green / black
Manuel Flexi Leg, which might be retrofitted to an Flexi electric, running with a slow.

This is very important information to make a visual verification of the exact Flexi model.

6. Mounting instructions, illustrations

The equipment should always be assembled by competent personnel.

Prior to assembly check that all parts have been provided. See list of components, from page 21. See also mounting instructions page 14 to 20.



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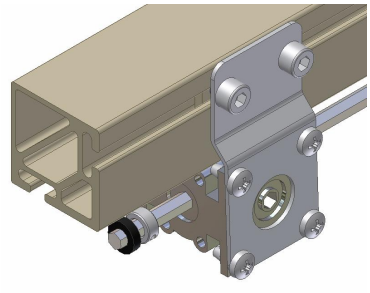

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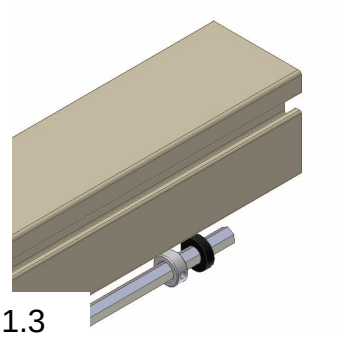

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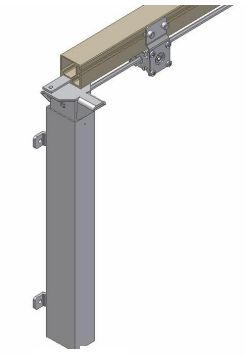

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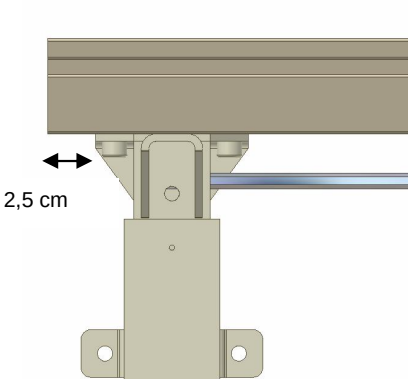

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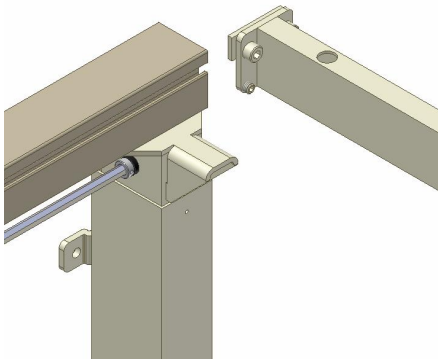

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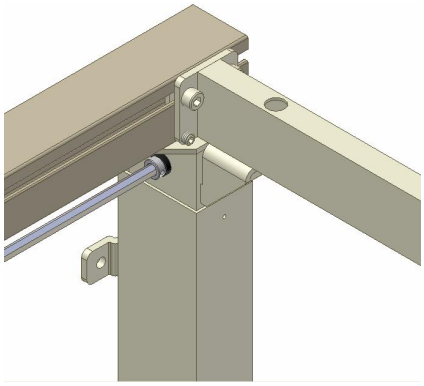

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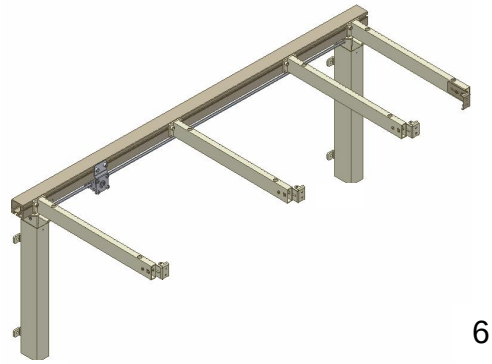

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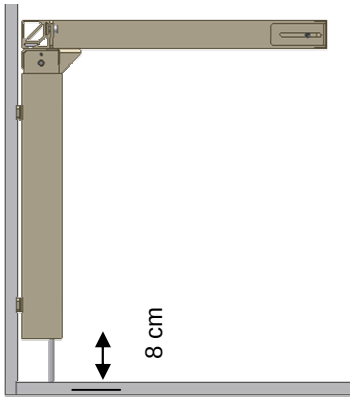

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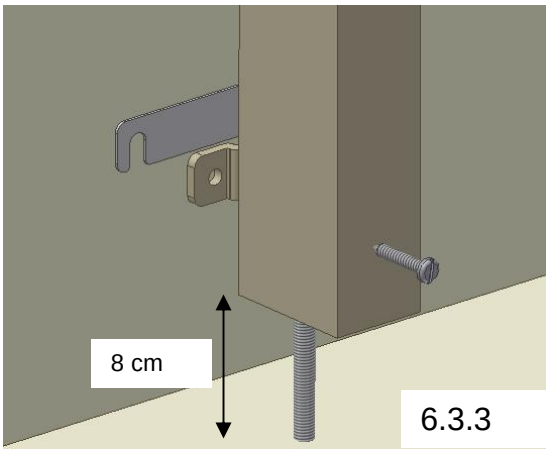

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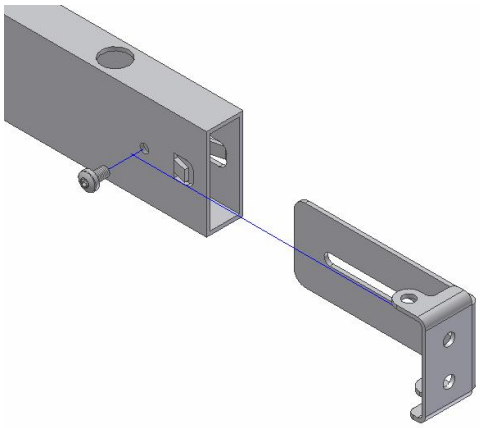

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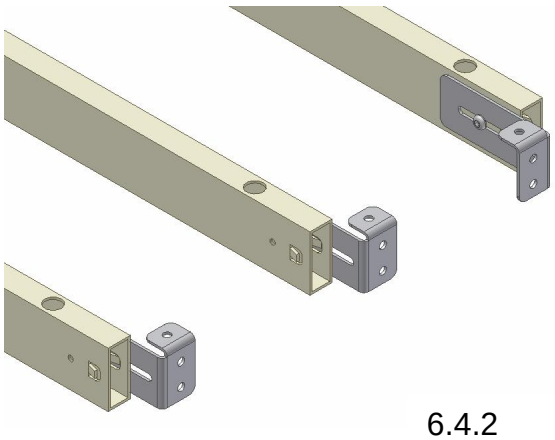

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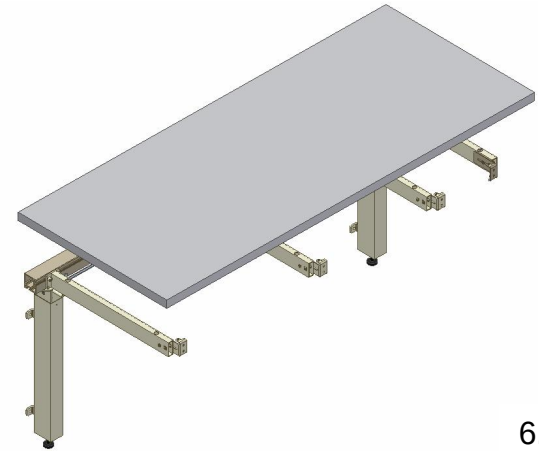

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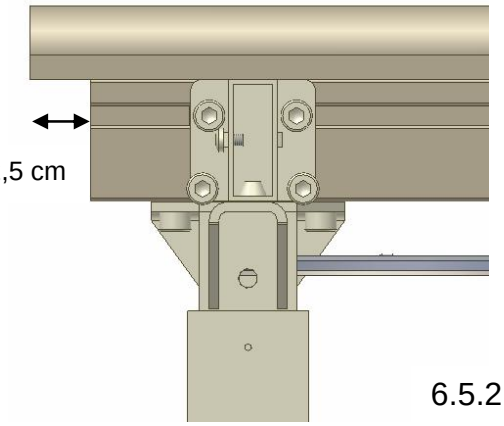

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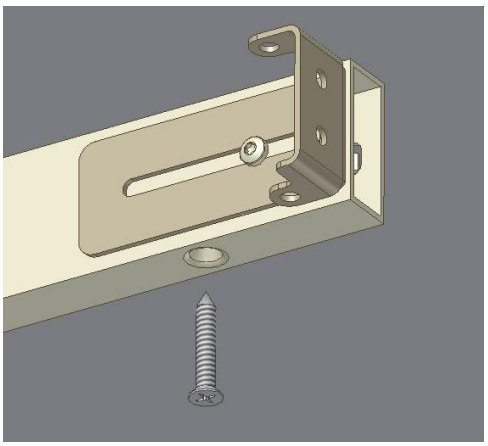

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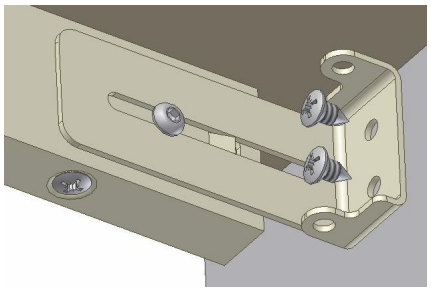

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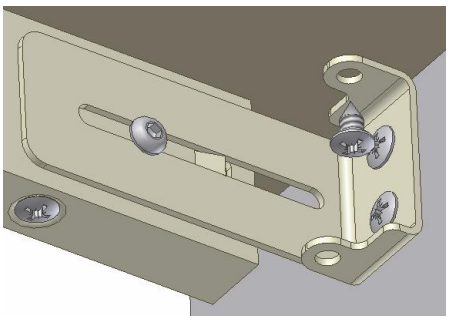

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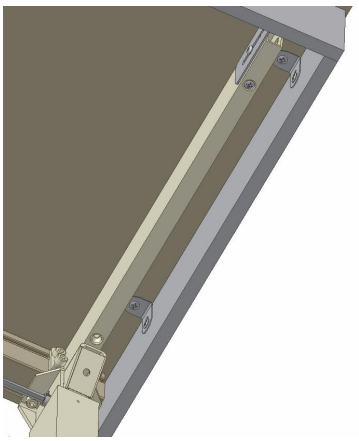

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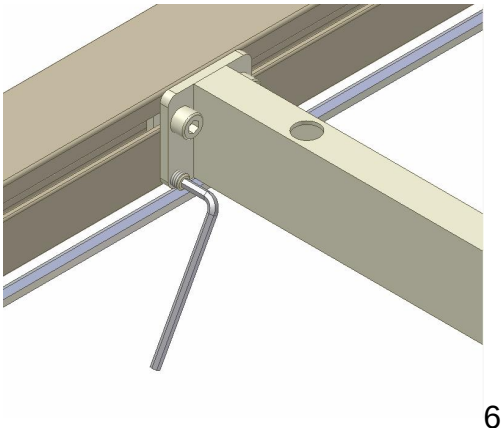

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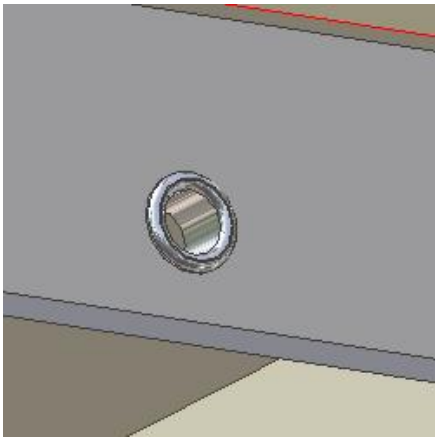

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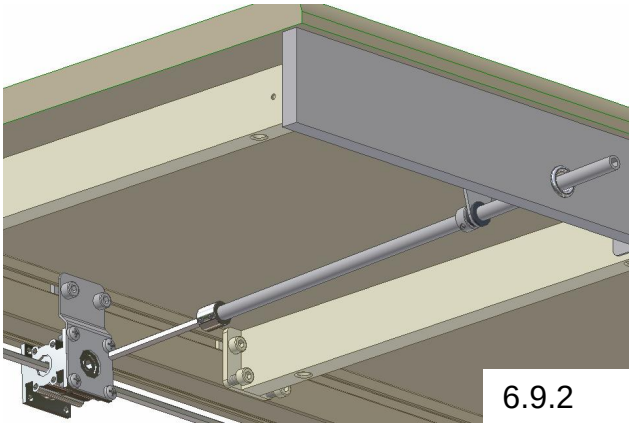

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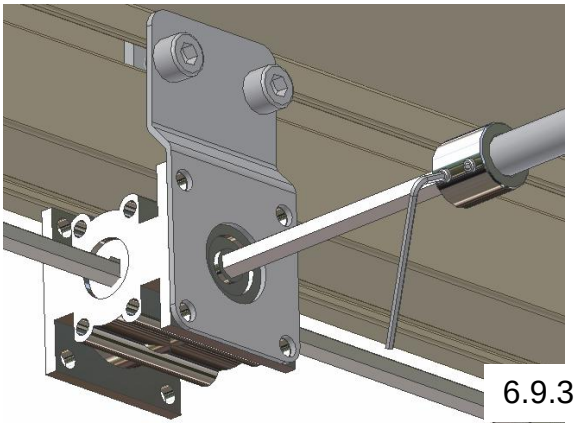

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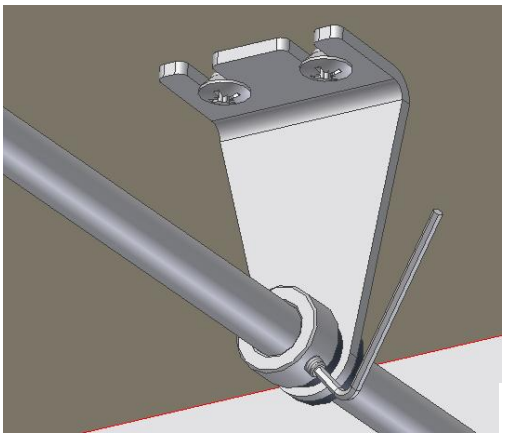

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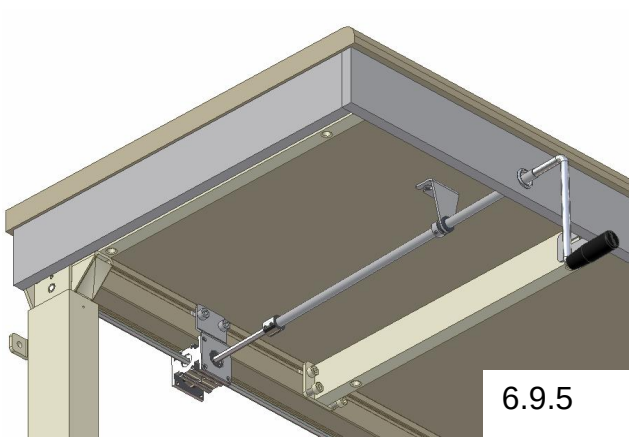

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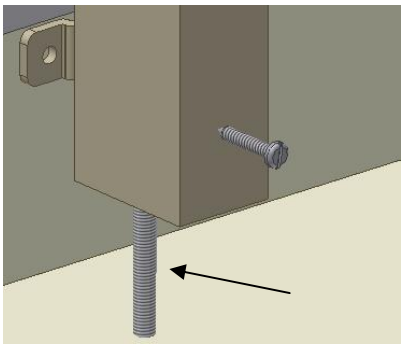

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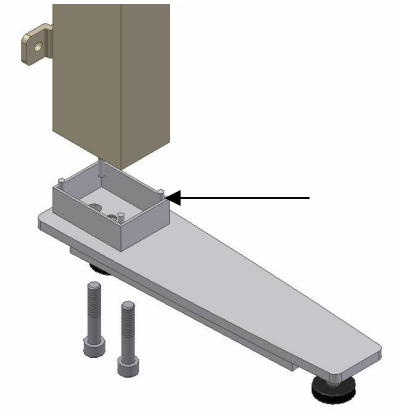

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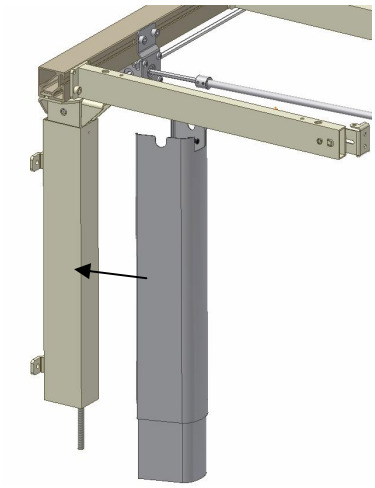

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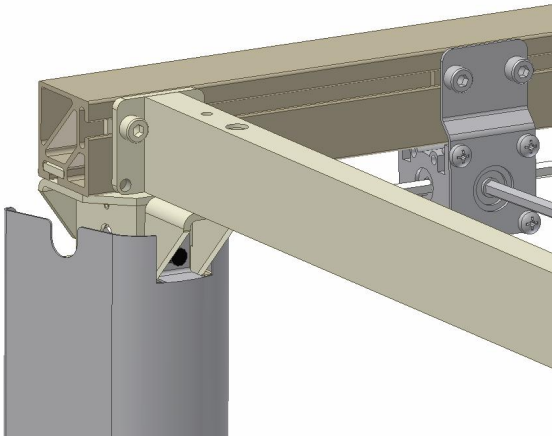

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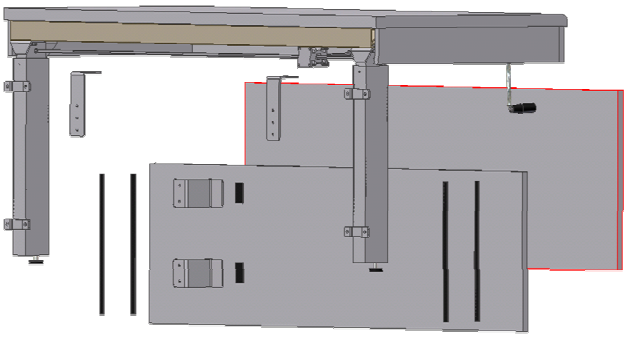

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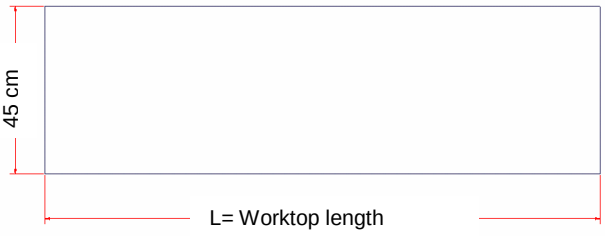

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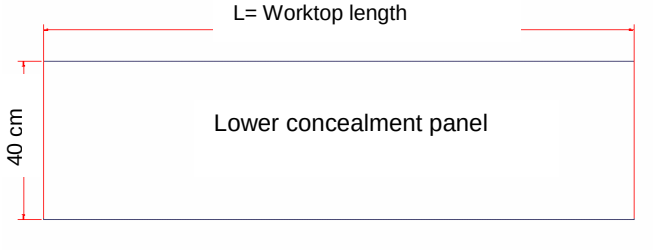

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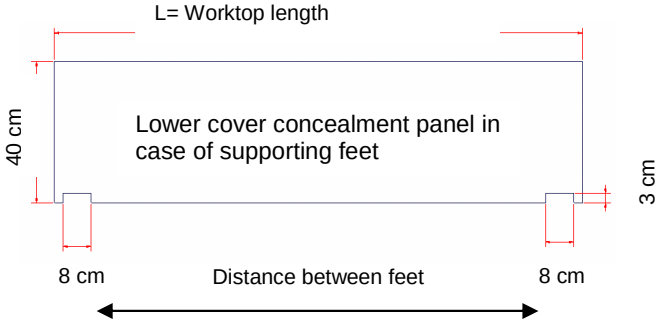
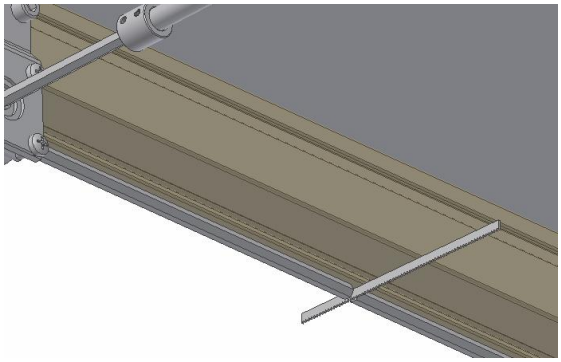


6.12.4

6. Mounting instructions, illustrations converting into electrical



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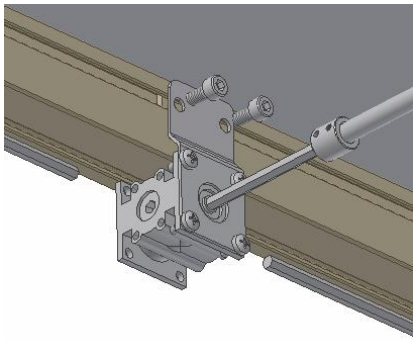

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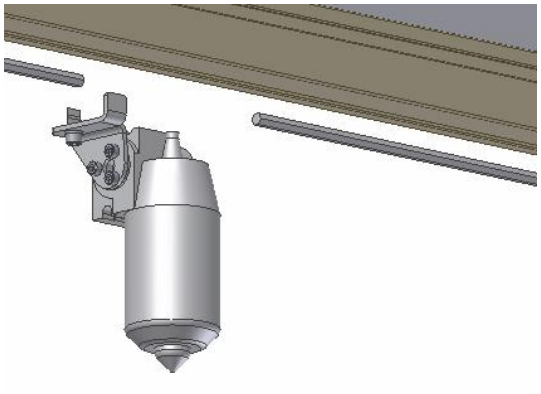

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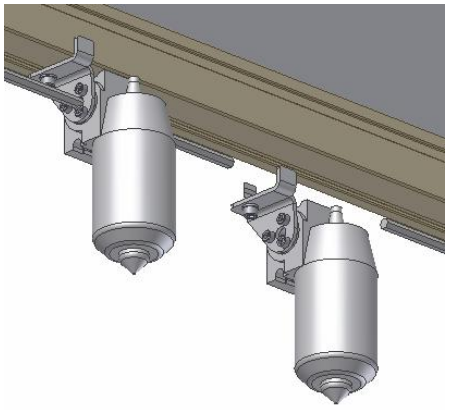

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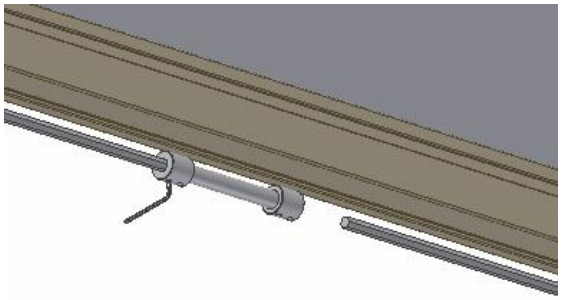

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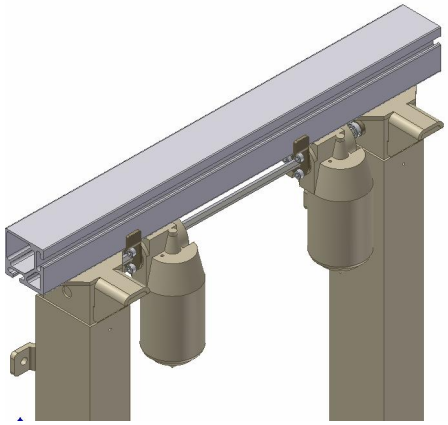

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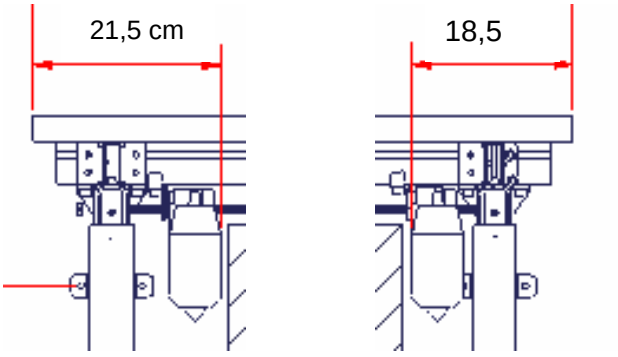

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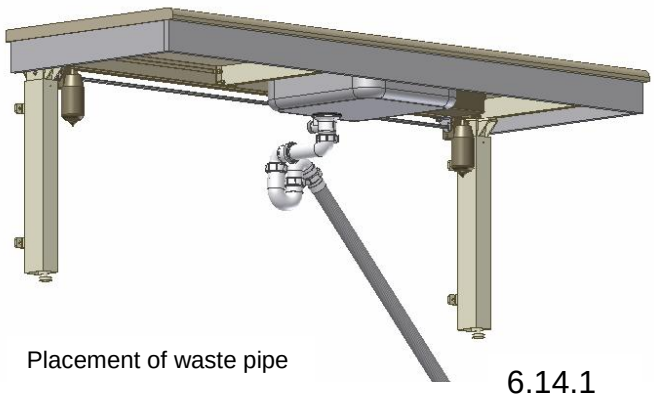
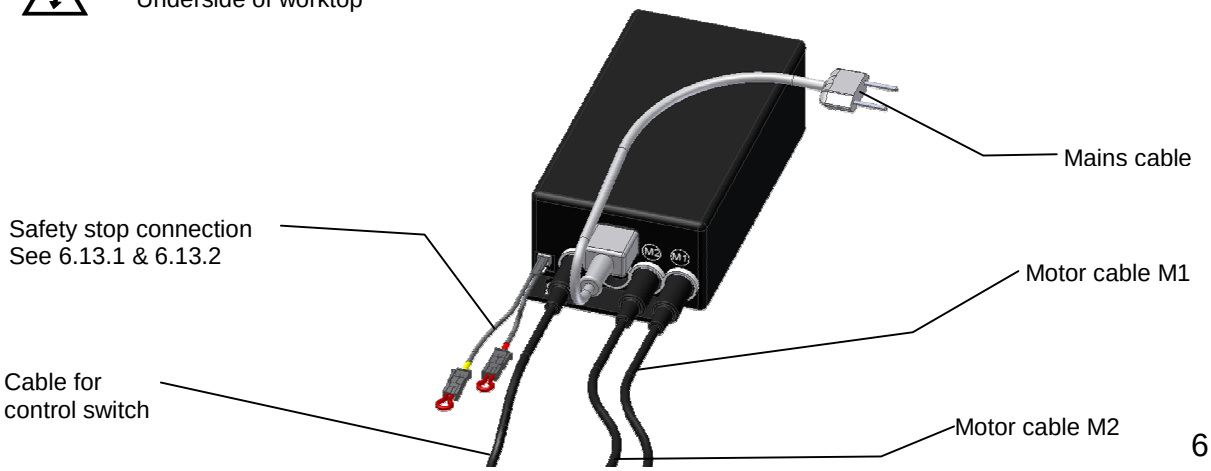


Placement of waste pipe

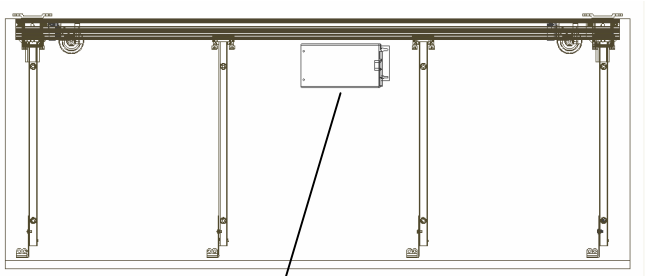
6.14.1

6. Mounting instructions, illustrations converting into electrical

Control Box must be mounted on
Underside of worktop

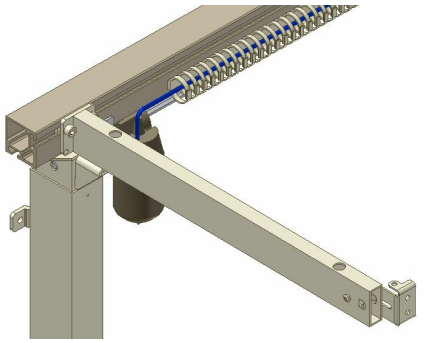


6.15.1



Control Box

6.15.2



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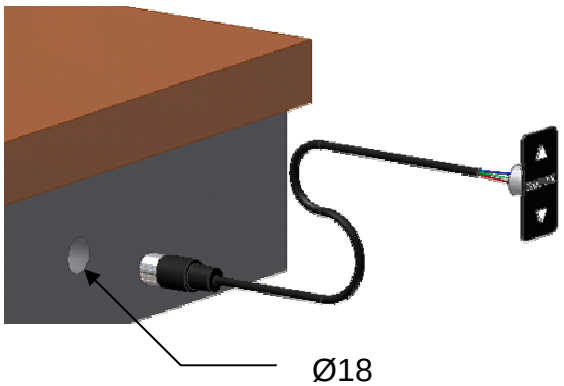

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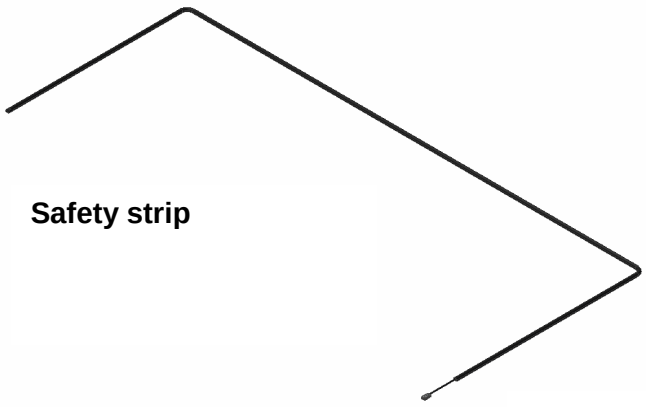
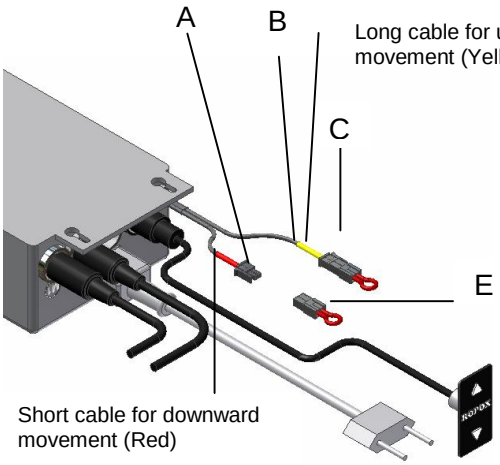
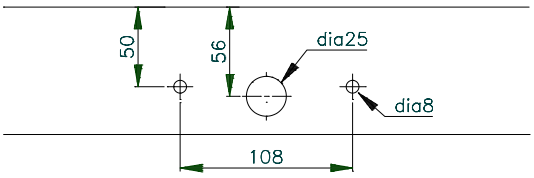


6.17.1

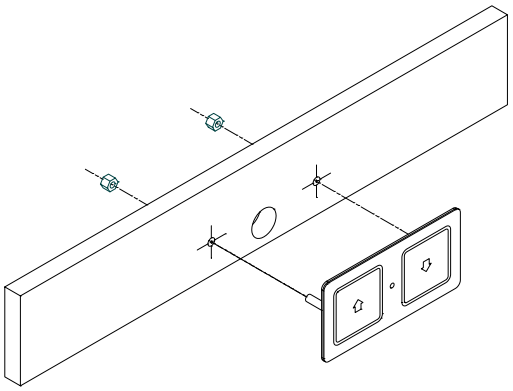


6.17.2

6. Mounting instructions, accessories

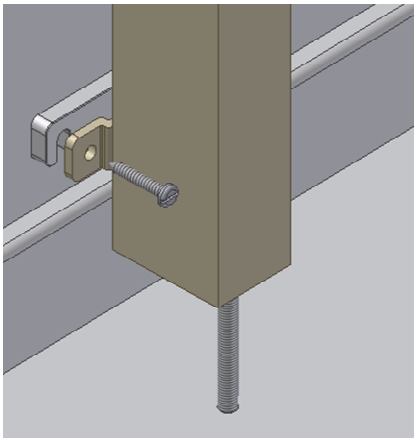


6.18.1



6.18.2

6.18.3



6.19.1

6. Mounting instructions, descriptions

The equipment should always be assembled by competent personnel.

Prior to assembly check that all parts have been provided. See list of components, from page 21. See also mounting drawings from page 7.

6.1 Assembly of frame

6.1.1 Place the aluminium profile on the floor.

***** If supporting feet have been ordered, first see mounting of feet, item 6.15.

6.1.2 Insert the transmission with fasteners into the groove of the aluminium profile and pass the spindle through the transmission (do not secure).

6.1.3 Fit a stop ring and a washer on the spindle on either side of the transmission (do not secure). The washer should be at the end.

6.1.4 Push the legs into the groove of the lower side of the aluminium profile, one leg from either side.

6.1.5 Position the adjustable legs on the aluminium profile.
If there are any socket outlets obstructing the legs, move the leg a little towards the middle. For frames with two legs, place one leg on either side. For frames with three legs, place the third leg at the middle of the aluminium profile.

Secure each leg to the aluminium profile with two bolts.

To obtain the correct height (65-95 cm without worktop) simply mount and adjust the threaded bolt to each leg according to fig. 6.3.2.

Note: If the sink or hotplate is placed at the middle of the worktop, move the third leg if any, to the right or left to ensure that the leg and support arm are fitted in the immediate vicinity of the sink, hotplate etc.

6.2 Mounting the support arms on the frame

Note: Prior to mounting of the support arms it is important to know the location of the sink and hotplate in relation to the support arms and the handle rod.

⚠ Where you have an adjustable leg **always** position a support arm directly over it. Do not adjust the tilting of the arm supports that are positioned on top of the legs (see 6.8).

⚠ Position the transmission box for the winding handle spindle at the required position before mounting the support arms from either side.

6.2.1 The support arms may be pushed into the aluminium profile from either side to the required position and fastened with two screws on each support.
We recommend a maximum distance between the support arms of 60 cm in order to obtain optimum stability.

6.2.2 To prevent the spindle from working its way out of the frame during use, push the two stop rings and spacers of the spindle towards each leg and fasten.

6.3 Mounting the frame on the wall

6.3.1 Place the frame against the wall and align it. Adjust the two threaded bolts under the legs to ensure that the frame is horizontal.

6.3.2 To obtain the correct height (65-95 cm without worktop) adjust the threaded bolt to each leg. After mounting, the threaded bolts can be removed.

Mark and drill the holes for fastening.

Fasten the frame to the wall by means of screws and raw plugs suiting the material of the wall.

6.3.3 Misalignments up to 0,45 cm on the wall may be adjusted by fitting the provided spacers (0,15 cm) between the legs and the wall.

Loosen the legs a bit and slide the spacers in between the wall and the legs, as required, at the top or bottom depending on whether the wall is vertical.

6.4 Mounting of fittings for front fascia

6.4.1 Fittings for mounting of the wooden front fascia are provided, corresponding to the number of support arms. Place the front fascia fittings on the side of the support arm and fasten them loosely by means of the screw provided.

6.4.2 On the outermost support arms we recommend pointing the front fascia fittings towards the middle of the frame to prevent them from conflicting with the side fascia.

6.5 Mounting the worktop

6.5.1 Place the tabletop on the frame. The maximum permissible distance from the back of the tabletop to the wall is 0.5 cm. (safety issue)

If the frame is moved away from the wall, the distance from the back of tabletop to the wall MUST still be equal to or less than 0.5 cm.

6.5.2 The standard aluminium profile is 5 cm shorter than the worktop, resulting in a 2.5 cm projection on either side.

6.5.3 Fasten the worktop with screws through the holes of the support arms.

6.6 Mounting the wooden front fascia

6.6.1 Fasten the wooden front fascia at the required position under the worktop by means of a clamp. Press the front fascia fittings forward against the wooden front fascia and fasten with screws from the inside.

6.6.2 By screwing the front fascia fittings into the worktop you pull the front fascia upward. Finally tighten the screws on the side of the support arm.

6.7 Mounting the side fascia

6.7.1 Furniture fittings are provided with the frame to keep the wooden side fascia up against the worktop.

6.8 Adjusting the worktop/ support arms

6.8.1 After placing the worktop on the frame you may have to compensate for the weight of the worktop if the frame is no longer horizontal from the wall to the front fascia.

6.8.2 By means of the two lower screws of each support arm the ”tilting” may be adjusted.
Start by loosening the two screws fastening the support arm to the aluminium profile and adjust the two lower screws to make the worktop horizontal.
Finally retighten the two upper screws.
Repeat this procedure for the support arms in the middle.

⚠ **Do not adjust the support arms placed directly above the legs.**

6.9 Mounting the handle

6.9.1 When the worktop and front fascia are in place the transmission spindle may be mounted.

First drill a 20 mm dia. hole in the wooden front fascia where you want the handle. Place the chrome bush for the handle rod in this hole.

6.9.2 Insert the assembled spindle into the transmission.

6.9.3 Loosen one of the M4-screws of the stop ring and pull the transmission spindle out to the required position in relation to the front fascia. Retighten the screw.

6.9.4 Pull the spindle suspension fitting forward so that it may be fitted under the worktop and fasten it with screws.
Push the ”small” stop ring forward against the fitting and tighten the M4-screw.

6.9.5 Finally fit the handle.
When the frame has been assembled, tighten all screws securely.

⚠ It is very important that the screws fastening the legs and support arms to the aluminium profile are tightened securely.

6.10 Mounting the supporting feet

* **Option**

6.10.1 Remove the adjusting screw of the leg.

6.10.2 Fit the foot and the extension to the leg with the screws provided and tighten the screws.

6.11 Mounting the covers for the legs

* **Option**

6.11.1 Press the covers, consisting of an inside and an outside cover, carefully over the leg.

6.11.2 Lift up the upper/outside cover and press the snap lock into the hole of the leg. It is important to pull the snap lock completely out prior to mounting. Now press in the snap lock to lock it.

6.12 Mounting the concealment panels

* **Option:** Fittings for mounting the concealment panels (panels not supplied by Ropox)

For three-legged frames use two sets of fittings.

6.12.1 Inside/lower concealment panels:
Fasten the Z-fittings to the wall in the middle between the legs. Fit Velcro on the Z-fittings and the concealment panels.
Also fit Velcro on the legs and the concealment panels. The concealment panels may now be fitted.
Outside/upper cover plate:
Fit the two angular fittings on the inside of the outside/upper concealment panel. Now fit the angular fittings on the bottom side of the worktop.

6.12.2 Dimension sketch outside/upper concealment panel. The length is identical with the length of the worktop. The height must be 45 cm.

6.12.3 Dimension sketch inside/lower concealment panel. The length is identical with the length of the worktop. The height must be 40 cm.

6.12.4 Inside/lower concealment panel (in case of supporting feet). The length is identical with the length of the worktop. The height must be 40 cm. Cut-out for feet must be 8 cm wide and 3 cm high. The cut-outs of the cover plate must suit the position of the supporting feet.

6.13 Conversion from a manual to a electric version

*** Option**

6.13.1 Cut the spindle into two parts.

Loosen the stop rings on each side of the spindles. Then push the spindles away from each other.

6.13.2 Remove the bolts for fastening the transmission, and remove the transmission from the spindle.

6.13.3 For worktop length 60-104 cm one motor is mounted. For mounting of motors return to 6.13

Together with the mounting bracket there is a nut, which fits into the grove at the bottom edge of the aluminium profile. When you start tightening the bolt, the nut will turn and interlock in the groove.

6.13.4 For worktop length 105-300 cm two motors are mounted. For mounting of motors return to 6.13.

Together with the mounting bracket there is a nut, which fits into the grove at the bottom edge of the aluminium profile. When you start tightening the bolt, the nut will turn and interlock in the groove.

6.13.5 Slide the connecting bush onto the spindle, and push the two spindle parts together inside the connection. Fasten the four bolts.

6.14 Mounting the flexible water connections and waste hoses

Arrange for the fixed feed pipes on the wall to be pointing down, at a height of max. 30 cm. This will ensure that the flexible feed pipes will always flex in a neat curve close to the wall without kinking. A 90 degree valve with a 1/2" exposed thread is recommended.

6.14.1 When connecting hot and cold water as well as waste hoses ALWAYS use flexible hoses to enable the frame to move freely within the height adjustment range (65-95 cm).

The flexible hoses should be fitted so that they may move in an arch parallel with the wall, but without getting squeezed.

The length of the hoses must suit the fastening and the travel of the frame.

We recommend that water seal and waste pipe be directed backwards towards the wall in order to obtain optimum space under the table and the sink.

6.15 Mounting the control unit

Warning
ALWAYS switch off mains voltage during assembly
Check national regulations to determine the correct location of the control unit.

6.15.1 Fasten the control unit under the worktop as far to the back as possible. The control unit may be placed anywhere in the longitudinal direction.

6.15.2 Mount all cable connections as illustrated. The Y-cable is provided with two short-circuit plugs. When mounting the safety stop see section 6.13.

6.15.3 Place the loose cables in the cable bearers and fit the bearers in the grooves of the aluminium profile.

6.16 Mounting the operating unit

* If the frame is manually operated, this item does not apply.

6.16.1 The control switch for the height adjustment must be fitted in the wooden front fascia. It consists of a control switch with a 200 cm long cable provided with a DIN plug for the control switch.

Choose the required position in the front fascia and drill an 18 mm dia. hole in the fascia.

Push the cable through the hole in the front fascia from the front.

The control switch has double-adhesive tape on the back. Remove the protective paper and fit the control switch on the wooden front fascia.

Fit the DIN plug of the cable on the control switch.

After fitting the socket, fasten the cable under the worktop with the cable bearer so that it does not sag.

Relieve the cable on the inside of the wooden front fascia in the immediate vicinity of the control switch.

6.17 Mounting the safety strip under the worktop

*** Option: Ropox always recommends the use of safety strips for electrically operated frames.**

Be careful not to bend or damage the safety strip during transport or mounting. Be careful when mounting the safety strip, bending or twisting can reflect on the performance of the safety strip.

The surface to which the safety strip is to be attached must be clean, dry and degreased to obtain optimum adhesion.

Please refer to safety strip mounting guide

6.17.1 Mount the safety strip on the bottom side of the wooden front fascia by means of the double-adhesive tape.

Remove the protective paper of the tape and press on the safety strip. Be aware of minimum bending radius (2 cm inside)

6.17.2 Pull out the red short circuit plug (E) of the short cable (A) (marked with red).

Connect the plug at the end of the safety strip (D) in the available short cable (A) (marked with red).

Insert the male plug of the extension cord into the first safety stop (right side of the frame). In the case of more safety stops, connect them in series and end the series by inserting the remaining short-circuit plug into the available male plug of the last safety stop.

6.18 Mounting the press pad for disabled persons

* **Option**

* If the frame is manually operated, this item does not apply.

6.18.1 The press pad for height adjustment must be placed in the wooden front fascia. It consists of a press pad contact and a 150 cm long cable provided with a DIN-plug.

The press pad and the cable are delivered as one unit ready for mounting.

Drill holes as illustrated to suit the required position.

6.18.2 Fit the press pad by pulling the cable through the large hole and fasten it in the small holes by means of the M6 nuts provided.

6.18.3 After fitting the press pad, fasten the cable under the worktop with cable bearers so that it does not sag. Finally fit the DIN-plug in the control unit.

6.19 Mounting of distance plates (1cm) for skirting board

* **Option**

6.19.1 In case of skirting boards, you can use the 1 cm deep distance plate to pack the frame out from the wall.

7. Performance test

7.1 Performance test, manually operated frame

After installation and prior to use all functions of Flexi must be tested. The test must be carried out by competent personnel. Subsequently the test shall be carried out at least once a year:

1. Check that the mounting instructions have been observed.
2. Check that all bolts have been tightened.
3. There must be no load on the frame.
4. There must be nothing preventing the frame from moving freely within the height adjustment range (65-95 cm).
5. Turn the handle, move the frame to bottom position and check that the movement is smooth and even. Make sure that the hoses follow the movement of the frame and do not get squeezed.
6. Now turn the handle and move the frame to top position and check that the movement is smooth and even. Make sure that the hoses follow the movement of the frame and do not get squeezed.

If all these tests are ok, the Flexi is ready for use.

7.2 Performance test, electrically operated frame

After installation and prior to use all functions of Flexi must be tested. The test must be carried out by competent personnel. Subsequently the test shall be carried out at least once a year:

Testing prior to connection of mains voltage:

1. Check that the mounting instructions have been observed.
2. Check that all bolts have been tightened.
3. Check that all cables have been connected correctly and that the plugs have been pressed home.
4. Check that there is no load on the Flexi frame.
5. Check that there is nothing preventing the Flexi from moving freely within the height adjustment range.

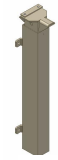
   Now connect mains voltage to the control unit and proceed as follows:
6. Press DOWN on the control switch, move the Flexi frame to bottom position and check that the movement is even and smooth. Make sure that the hose connections follow the movement of the Flexi frame and that they do not get squeezed.
7. Press DOWN on the control switch and keep the switch depressed for approx. 5 sec. or until a click is heard from the control unit. The Flexi frame may move a bit further downward and will now have been reset.
8. Press UP on the control switch, move the Flexi frame to top position and check that the movement is even and smooth. Make sure that the hose connections follow the movement of the Flexi frame and that they do not get squeezed.

   If a safety strip has been mounted under the Flexi frame it must be tested as follows:
9. Press DOWN on the control switch and let the Flexi frame move 2-5 cm downward. Now activate the safety strip by pressing it lightly. The frame must stop the downward movement, move 1-2 cm upward and stop.

   If a safety strip has been fitted above the frame, e.g. on a wall cupboard ”Diagonal”, this must also be tested as follows:
10. Make sure that the Flexi frame is in the bottom position. Press UP on the button and let the frame move 2-5 cm upward. Now the safety strip above the Flexi frame will be activated. The Flexi frame must now stop its UPWARD movement and move 1-2 cm downward and stop.

If all these tests are ok, the Flexi frame is ready for use. Se section 10 “Safety in use”.

8. List of components for KitFrame Flexi for worktop 60-300 cm



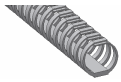
Legs, standard height 65-95 cm. 30-67600:
Length of worktop = 60-204 cm — 2 legs
Length of worktop = 205-300 cm — 3 legs

The legs comprise:

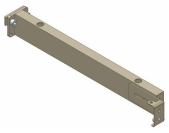
30-67681 Spacers (0.15 cm) For misalignment — 3 pcs./leg

30-67680 Distance plates (1 cm) For skirting board — 2 pcs/leg

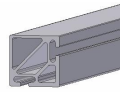
30-67685 Cable bearer — 1 pc./leg



Support arm for worktop 60-62 cm 30-67620:
Length of worktop = 60-104 cm — 2 pcs.
Length of worktop = 105-204 cm — 4 pcs.
Length of worktop = 205-249 cm — 5 pcs.
Length of worktop = 250-300 cm — 7 pcs.

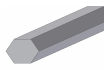


Aluminium profile 30-68xxx:
Length (XXX) = Worktop length ÷ 5cm
At increments of 5 cm — 1 pc.



The profile comprises:

30-69xxx Spindle
Length (xxx) = Worktop length -15cm
At increments of 5 cm — 1 pc.



Handle incl. transmission 30-67650:
Depth of worktop = 50-72 cm — 1 pc.

The handle comprises:

30-67670 Mounting parts:

98000-555 Stop ring — 2 pcs.

97004159 Washer ø15/ø8 — 2 pcs.

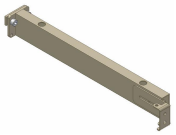
97002730 Furniture fittings — 4 pcs.

97800-003 Fascia serrel — 1 pc.

9. Options for KitFrame Flexi

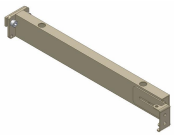
Support arm for worktop depth 70-72 cm 30-67621:

Length of worktop = 60-104 cm	2 pcs.
Length of worktop = 105-204 cm	4 pcs.
Length of worktop = 205-254 cm	5 pcs.
Length of worktop = 255-300 cm	7 pcs.



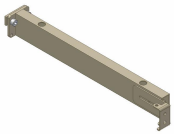
Support arm for worktop depth 58-60 cm 30-67624:

Length of worktop = 60-104 cm	2 pcs.
Length of worktop = 105-204 cm	4 pcs.
Length of worktop = 205-254 cm	5 pcs.
Length of worktop = 255-300 cm	7 pcs.



Support arm for worktop depth 50-52 cm 30-67622:

Length of worktop = 60-104 cm	2 pcs.
Length of worktop = 105-204 cm	4 pcs.
Length of worktop = 205-254 cm	5 pcs.
Length of worktop = 255-300 cm	7 pcs.

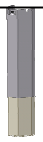


Distance plate (1 cm) 30-67680:
For skirting board — 1 pc.

Distance bracket (7 cm) 30-67672:
For void behind the frame — 1 pc.

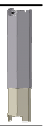
Cover 30-67735:

Length of worktop = 60-204 cm	2 pcs.
Length of worktop = 205-300 cm	3 pcs.



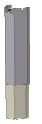
Cover for supporting foot 30-67737:

Length of worktop = 60-204 cm	2 pcs.
Length of worktop = 205-300 cm	3 pcs.



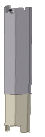
Cover, Stainless steel 30-67736:

Length of worktop = 60-204 cm	2 pcs.
Length of worktop = 205-300 cm	3 pcs.

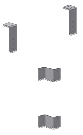


Cover for supporting foot, Stainless steel 30-67738:

Length of worktop = 60-204 cm	2 pcs.
Length of worktop = 205-300 cm	3 pcs.

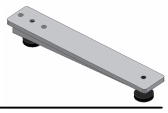


Fittings for concealment panels 30-67760: — 1 set



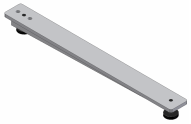
Supporting foot, L = 30 cm 30-67702:

Length of worktop = 60-204 cm	2 pcs.
Length of worktop = 205-300 cm	3 pcs.



Supporting foot L = 49 cm 30-67703:

Length of worktop = 60-204 cm	2 pcs.
Length of worktop = 205-300 cm	3 pcs.



Each foot comprises:

30*65561-004 Leg extension for foot — 1 pc.

Electrical kit 1 for Flexi 60-104 cm 30-67866: 1 pc.

30-67801: Motor (16x8x8 cm): Motor vertical 1 pc.
Incl. motor cable (200 cm) and fitting

30-67851: Control unit, Slow speed(22x11x7 cm): 1 set
for **1 motor 240VAC**
Incl. mains cable (300 cm)

The control unit comprises:
98002014 Y-cable 1 pc.
98002013 Plug w/ resistor 2 pcs.

30-67870 Extension cord for safety stop 1 pc.
250 cm (black)

Control switch (2,5x5 cm) 30-67840: 1 pc.
Incl. 150 cm cable

Mounting parts 30-67670:

98000-555 Stop ring 2 pcs.

97004159 Washer ø15/ø8 2 pcs.

97002730 Furniture fittings 4 pcs.

30-67765: Connecting bush: 1 pc.

Electrical kit 2 for Flexi 105-300 cm 30-67867: 1 pc.
30-67801: Motor (16x8x8 cm): Motor vertical 2 pcs.
Incl. motor cable (200 cm) and fitting

30-67850: Control unit, Slow speed (22x11x7 cm): 1 set
for 2 **motors 240VAC**
Incl. mains cable (300 cm)
Parts supplied as on page 23

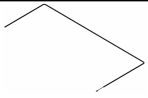
Same parts as above.

Press pad (14x7 cm) 30-67841:
For disabled people, incl. 150 cm cable 1 pc.

Infrared control, 30-67849: 1 pc.
Range 150-200 cm

The infrared control is supplied with:
96000629: Split cable 1 pc.

Safety strip 30-69XXX:
Length ”X” in whole cm 1 pc.



British standard 3-pin plug 30-67879:
with 200 cm cable 1 pc.

Smartbox 30-69001:
Option for safety stop Flexi, 1 pc.
(when two Flexi frames are situated side by side).

Coupling Diagonal and Flexi 30-67002:
Option for safety stop plate Diagonal (40900) 1 pc.
To be ordered together with safety stop
The coupling comprises:
30-67870 Extension cord (250 cm) 1 pc.

Extension cord 30-67870:
For safety stop, 250 cm (black) 1 pc.

Spiral extension 30-67871:
For safety stop, 25-100 cm (black) 1 pc.

10. Safety in use

- The Flexi frame should only be used by people, who have read and understood these instructions.
- Flexi is a height-adjustable frame and should not be used as a lifting table or person lifter.
- On electrically height-adjustable Flexi frames we recommend the fitting of safety stop rails in order to guard against and avoid injury and accidents. Nevertheless, always make sure that there are no people, animals or objects under the Flexi frame during height adjustment.
- Always use the Flexi frame so there is no risk of damage to people or property. The person, who operates the Flexi frame, is responsible for avoiding damage or injury.
- If the Flexi frame is used in publicly accessible locations where children or people with reduced observation ability may get close to the Flexi frame, the person operating the Flexi frame must pay sufficient attention in order to prevent dangerous situations.
- Make sure that there is free space above and below the Flexi frame to allow height adjustment.
- Do not overload the Flexi frame and make sure that the load distribution is correct.
- Do not operate the Flexi frame in case of errors or damage.
- Do not use the Flexi frame in an explosive environment.
- Any modification of the Flexi frame, which may influence its operation or construction, is forbidden.
- Installation, service and repairs must be carried out by competent personnel.
- In case of inspections, service or repairs make sure that the Flexi frame is not loaded.
- If the Flexi frame has not been installed in accordance with these mounting instructions, the guarantee may become void.
- Only use Ropox original spare parts as replacement parts. If other spare parts are used, the guarantee may become void.

11 Cleaning and maintenance

11.1 Cleaning

The frame may get dirty during use. It is very important to clean the frame as described in these instructions.

The frame must not be connected to the mains voltage during cleaning.
Do not flush electrical components with water.

Clean the frame with a damp cloth using lukewarm water and ordinary cleaning agents. Do not use Corrosive/ abrasive liquids or abrasive cloths, brushes or sponges. After cleaning dry the frame.

11.2 Maintenance

The frame is maintenance-free and the moving parts have been lubricated for life. For reasons of safety and reliability we recommend inspection of the frame once a year.

Inspections, service and repairs must be carried out by competent personnel

During inspections:

- Check that all bolts have been tightened.
- Check that the frame moves freely from bottom to top position without problems.
- **Resetting the frame:** Press DOWN on the control switch and move the frame to bottom position. Press DOWN once more and keep the switch depressed for 5 sec. to reset the control unit. Check that the movement is even and smooth. Make sure that the mains cable moves freely.
- Check that water and waste pipes are tight and undamaged.
- Check that all cables have been fitted correctly and are undamaged.

After each inspection the service schedule shall be filled in. See item 11.3.

Only use Ropox original spare parts as replacement parts. If other parts are used, the guarantee may become void.

11.3 Service schedule, operation and maintenance

Service and maintenance **Serial No.:** **Date:** **Sign:** **Remarks:**	**Service and maintenance** **Serial No.:** **Date:** **Sign:** **Remarks:**
Service and maintenance **Serial No.:** **Date:** **Sign:** **Remarks:**	**Service and maintenance** **Serial No.:** **Date:** **Sign:** **Remarks:**

12. Trouble shooting

12.1 Manuel operated frames

a) The frame seems loose or unstable
The screws assembling the frame have not been securely tightened.
Tighten all screws, cf. mounting instructions.

b) The worktop is not horizontal in relation to the wall
After installation of the frame the worktop will be loaded. This deflection may be balanced by repeating item 6.8 ”Adjusting the Support arms” of the mounting instructions.
Also check that the legs are vertical – see item 6.3.

c) The height of the frame cannot be adjusted / adjustment seems very difficult

1. Check that the frame is not overloaded.
2. Check that the frame moves freely and that no objects have been squeezed above or below the worktop.
3. Check that the handle has been fitted correctly in the transmission – see mounting instructions.

13. CE-marking

Manually adjustable frames:
Flexi, manual with 2 legs 60 – 204 cm
Flexi, manual with 3 legs 205 – 300 cm

Electrically adjustable frames:
Flexi, electrical with 1 motor and 2 legs 60 – 104 cm
Flexi, electrical with 2 motors and 2 legs 105 – 204 cm
Flexi, electrical with 2 motors and 3 legs 205 – 300 cm

conform to the following directives and standards:

DIRECTIVES

EU-Directive 89/392/EEC on Machinery, modified by Directive No. 98/37/EC

73/23EEC, Low voltage directive, modified by 93/68/EEC

89/336/EEC, EMC-Directive, modified by 92/31/EEC and 93/68/EEC

STANDARDS

DS/EN ISO	12001-1:	2003	DS/EN	55014-1:	2000
DS/EN ISO	12100-2:	2003	DS/EN	55014-2:	1997
DS/EN	527-2:	2002	DS/EN	60335-1 :	2002

DS/EN	61000-6-3:2001, EN 55022 Class B
DS/EN	61000-3-2:2001, EN 61000-3-3:1995, A1:2001
DS/EN	61000-6-2:2001, EN 61000-4-2, -3, -4, -5, -6, -8, -11.

Declarations of Conformity can be supplied upon request.

14. Complaints

We refer to our general Terms of sale and delivery on our homepage www.ropox.com

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